



CITY OF RED BLUFF

555 Washington Street Red Bluff, California 96080 (530) 527-2605 Fax (530) 529-6878 www.cityofredbluff.org

Water Audit Level 1 - Validation Certificate

Audit Information

Water Utility Supplier:	City of Red Bluff	PWS ID:	5210004
System Type:	Potable Water, Ground Water	Audit Period:	2016, Calendar Year
Utility Representative:	Marvin Eckels, Robin Kampmann, R. Scott Miller		
Validation Date:	10/22/2018		

Validation Findings and Confirmation Statement

Key Audit Metrics:

Data Validity Score:	62	Data Validity Band (Level):	Level III (51-70)
ILI:	1.86		
Real Losses:	28.20 gal/conn/day	Non-Revenue Water as Percent of	
Apparent Losses:	4.20 gal/conn/day	Cost of Operating System:	9.50%

Certificate Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

Water Audit Validator:

Robin Kampmann, PE

Validator Qualifications:

City Engineer

Water Audit Level 1 - Water Supplier Confirmation

Water System Name:

City of Red Bluff

Water System ID Number:

5210004

Water Audit Period:

2016, Calendar Year

Water Audit & Loss Improvement Steps:

Steps taken in audit period to increase data source accuracy, reduce real loss, and/or reduce apparent loss as suggested by the water audit findings:

- Upgrading certain customer meters
- Recalibration of source meter
- Implementation of aggressive leak detection program
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Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Addition* and in the Free Water Audit Software version 5.

Executive Name (Print):

Marvin Eckels

Executive Title:

Water Supervisor

Signature:

Marvin Eckels

Date:

10/23/2018